

Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
1	CLASS B-4: Flammable solid. Class D-2B: Material causing other toxic effects (TOXIC).	₩ 🛣

Product Name / Trade name	Naphthalene	Associated Product's Iten Code	NAPHTHALENE n
Synonym	Refined naphthalene	CAS#	91-20-3
Chemical Family	Aromatic hydrocarbon.	DSL	CEPA DSL: Naphthalene
Chemical Formula	C₁₀H₀	Validation Da	5/18/2001.
Manufacturer	Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550	Emergency Co	ecochem Inc. ommunications and Regulatory Affairs epartment
Material Uses	Consumer products: Moth preventative.	(90	05) 791-1788

Section 2. Hazardous Ingredients					
Name	CAS#		Exposure Limits		
d		Weight	Canadian Values (ACGIH)	U.S. Values (OSHA)	
1) Naphthalene	91-20-3	100	TWA: 10 ppm from ACGIH (Canada, 1999). Period: 8 hour(s). TWA: 52 mg/m³ from ACGIH (Canada, 1999). Period: 8 hour(s). STEL: 15 ppm from ACGIH (Canada, 1999). Period: 15 minute(s). STEL: 79 mg/m³ from ACGIH (Canada, 1999). Period: 15 minute(s).	1) TWA: 10 ppm from OSHA (United States, Naphthale 1999). Period: 8 hour(s). TWA: 50 mg/m³ from OSHA (United States, 1999). Period: 8 hour(s).	

Section 3. Emergency Overview				
Hazard Overview	WARNING.! FLAMMABLE SOLID, skin sensitizer.			
	Harmful if swallowed. Keep out of reach of children. Keep in a cool, well-ventilated place. Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing dust. Wash thoroughly after handling.			
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. May cause skin sensitization.			
Note to Physician	Not available.			

Section 4. First Aid Measures				
Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek medical attention.			
Skin Contact	After contact with skin, wash immediately with plenty of water. If irritation persists, seek medical attention.			
Inhalation	Allow the victim to rest in a well ventilated area. Seek medical attention.			
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. SEEK IMMEDIATE MEDICAL ATTENTION.			

Section 5. Fire Fighting Measures				
Products of Combustion	These products are carbon oxides (CO, CO ₂).			
Fire Fighting Media and Instructions	Flammable solid. SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.			
Fire Hazards	Yields flammable vapors on heating above melting point.			
Explosion Hazards	Vapour forms explosive mixture with air. Material in powder form, capable of creating a dust explosion.			

Continued on Next Page

Validated on 5/18/20	01. Naphthalene	Page: 2/4
Section 6. Acciden	ital Release Measures	
Small Spill and Leak	Use appropriate tools to put the spilled material in a convenient waste disposal con	ntainer.
Large Spill and Leak	Flammable product. Use water spray curtain to divert vapor drift. Eliminate all sources of ignition. Use waste disposal. Dispose of in accordance with regional regulations.	appropriate equipment to put the spilled material in

Section 7. Ha	andling and Storage
Handling	Keep away from heat, sparks and flame. To avoid fire, minimize ignition sources. DO NOT ingest. Avoid breathing dust. After handling, always wash hands thoroughly with soap and water.
Storage	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 38°C (100.4°F).

Section 8. Exposure	Controls, Personal Protection
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection Eyes	Safety glasses.
Body	No special protective clothing is required.
Respiratory	Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves (impervious).

Section 9. Physical and Chemical Properties				
Physical State and Appearance	Crystalline solid. (Flakes, chips and balls.)	Odor	Characteristic.	
Molecular Weight	128.19 g/mole	Taste	Not available.	
pH (1% Soln/Water)	Not applicable.	Color .	White.	
Boiling/Condensation Point	218°C (424.4°F)	Volatility.	Not available.	
Melting/Freezing Point	80.2°C (176.4°F)	Evaporation Rate	<1 compared to Butyl acetate.	
Specific Gravity	1.162 (Water = 1)	Odor Threshold	>0.3 ppm	
Vapor Pressure	Not applicable.	Viscosity	Not available.	
Vapor Density	4.42 (Air = 1)	Solubility	Insoluble in water.	
VOC Content	Not available.	Other Properties	Not available.	
The Product is:	Combustible.			
Autoignition Temperature	526°C (978.8°F)			
Flash Points	CLOSED CUP: 79°C (174.2°F).			
Flammable Limits	LOWER: 0.9% UPPER: 5.9%			
Fire Hazards in Presence of Various Substances	Combustible in presence of open flames and sparks. Material in powder form, capable of creating a dust explosion.			

Section 10. Stability	and Reactivity
Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids.

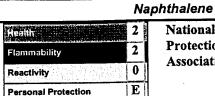
Section 12. E	cological Information		
Ecotoxicity	Not available.		a.
		 (.') 	***

Section 13. Disposal Considerations Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transpor	t Information	
TDG Classification (Canada)	CLASS 4.1: Flammable solid. Class 9.2: Environmentally hazardous material.	
PIN (Canada)	Shipping name: Naphthalene, crude or Naphthalene, refined UNNA: UN 1334 PG: Ill	
Special Provisions for Transport (Canada)	In inner packages of 500 g capacity or less this product is classified as a "Consumer Commodity" under TDG regulations.	
IMDG Classification	4.1	
PIN	Shipping name: Naphthalene, refined UNNA: UN 1334 PG: III	MARINE POLLUTANT
Marine Pollutant	IMDG Class: Marine Poliutant. (Pollutant.)	
DOT Classification (U.S.A)	CLASS 4.1: Flammable solid.	
PIN	Naphthalene, crude or Naphthalene, refined, 4.1, UN 1334, III, Pollutant., RQ (Naphthalene)	
Special Provisions for Transport (U.S.)	In inner containers of 100 lbs (45.36 kg) capacity or less this product is exempt from DOT regulations (non regulated).	V

WHMIS Classification (Canada)	CLASS B-4: Flammable soild. Class D-2B: Material causing other toxic effects (TOXIC).	
HCS Classification (U.S.A.)	CLASS: Flammable solid. Class: Target organ effects.	
USA Regulatory Lists	TSCA inventory: Naphthalene	

Validated on 5/18/2001. Hazardous Material **Information System** (U.S.A.)



Personal Protection

National Fire **Protection** Association (U.S.A.)



Page: 4/4

	Flammability
Health	2 (1) Reactivity
	Specific Hazard

		Othe		

Validated and verified by Product Development and Technical Coordinator on 5/18/2001.

Printed 5/18/2001.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.